

POLARIZING FILM, POLARIZING PLATE AND LIQUID CRYSTAL DISPLAY DEVICE USING THEM

Patent number: JP2002333522
Publication date: 2002-11-22
Inventor: SUGINO YOICHIRO; SAIKI YUJI; MIHARA HISAFUMI;
KITAGAWA ATSUSHI; HAMAMOTO EIJI; KUSUMOTO SEIICHI
Applicant: NITTO DENKO CORP
Classification:
- **international:** G02B5/30; G02F1/1335; G02F1/13363
- **european:**
Application number: JP20010136568 20010507
Priority number(s):

Abstract of JP2002333522

PROBLEM TO BE SOLVED: To provide a polarizing film and a polarizing plate with little variation of chromaticity even when an angle of incidence is varied and a liquid crystal display device using them.

SOLUTION: The polarizing film is an iodine type polarizing film with $<20 \mu\text{m}$ thickness and ≤ 0.06 birefringence (Δn) at 900 nm wavelength obtained by stretching a polyvinyl alcohol type film. When two sheets of the polarizing films are superimposed in crossed Nicols, the polarizing films exhibit <0.09 chromaticity variation Δxy in the case chromaticity of transmitted light of incident light from the normal direction and chromaticity of transmitted light of incident light from a direction forming an angle of 40 deg. to 45 deg. direction with respect to the direction of the axis of polarization are represented by x_0 , y_0 and x_{40} , y_{40} respectively.

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